

WHAT IS CLAIMED IS:

1. A surface acoustic wave device comprising two or more transducers formed on a piezoelectric substrate and including a pair of regions, each of the regions having a pair of comb electrodes whose surface wave propagation directions are opposite to each other, wherein at least two of the transducers are connected in parallel to each other.

2. The surface acoustic wave device according to claim 1, wherein each of the transducers has a triple-mode resonant frequency characteristic.

3. The surface acoustic wave device according to claim 2, wherein if one of the transducers connected in parallel has resonant frequencies of F11, Fc1 and Fu1 and another transducer has resonant frequencies of F12, Fc2 and Fu2, the resonant frequencies are expressed as follows:

$$F11 < F12 < Fc2 < Fc1 < Fu1 < Fu2.$$

4. The surface acoustic wave device according to claim 2, wherein if one of the transducers connected in parallel has resonant frequencies of F11, Fc1 and Fu1 and another transducer has resonant frequencies of F12, Fc2 and Fu2, a phase of the resonant frequency F11 is opposite to that of the resonant frequency F12, a phase of the resonant frequency Fc1 is opposite to that of the resonant frequency Fc2, and a phase of the resonant frequency Fu1 is opposite to that of the resonant

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frequency $Fu2$.

5 5. The surface acoustic wave device according to
claim 2, wherein if one of the transducers connected in
parallel has resonant frequencies of $F11$, $Fc1$ and $Fu1$
and another transducer has resonant frequencies of $F12$,
 $Fc2$ and $Fu2$, respective intervals of at least four
resonant frequencies are almost equal to each other.

10 6. ~~The surface acoustic wave device according to
claim 2, wherein if one of the transducers connected in
parallel has resonant frequencies of $F11$, $Fc1$ and $Fu1$
and another transducer has resonant frequencies of $F12$,
 $Fc2$ and $Fu2$, insertion losses of at least four of the
resonant frequencies are almost equal to each other.~~

15 7. The surface acoustic wave device according to
claim 1, wherein one of the transducers connected in
parallel and another transducer are formed on a single
chip.

20 8. ~~The surface acoustic wave device according to
claim 1, wherein one of the transducers connected in
parallel and another transducer are formed on different
chips.~~